



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/523,329

DATE: 02/22/2005
TIME: 08:55:02

Input Set : A:\AL-11-C1-PCT.ST25.txt
Output Set: N:\CRF4\02222005\J523329.raw

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3 <110> APPLICANT: Jardetzky, Theodore S.
4           Wurzburg, Beth A.
6 <120> TITLE OF INVENTION: MUTANTS OF IgE PROTEINS AND USES THEREOF
8 <130> FILE REFERENCE: AL-11-C1-PCT
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/523,329
C--> 11 <141> CURRENT FILING DATE: 2005-02-01
13 <150> PRIOR APPLICATION NUMBER: 60/319,446
14 <151> PRIOR FILING DATE: 2002-08-02
16 <150> PRIOR APPLICATION NUMBER: 10/211,948
17 <151> PRIOR FILING DATE: 2002-08-01
19 <160> NUMBER OF SEQ ID NOS: 49
21 <170> SOFTWARE: PatentIn version 3.2
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 669
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
29 <220> FEATURE:
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31 <222> LOCATION: (1)..(666)
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36 1          5          10          15
38 cgg ccc agc ccg ttc gac ctg ttc atc ccg aag tcg ccc acg atc acc      96
39 Arg Pro Ser Pro Phe Asp Leu Phe Ile Arg Lys Ser Pro Thr Ile Thr
40          20          25          30
42 tgt ctg gtg gac ctg gca ccc agc aag ggg acc gtg aac ctg acc      144
43 Cys Leu Val Val Asp Leu Ala Pro Ser Lys Gly Thr Val Asn Leu Thr
44          35          40          45
46 tgg tcc cgg gcc agt ggg aag cct gtg aac cac tcc acc aga aag gag      192
47 Trp Ser Arg Ala Ser Gly Lys Pro Val Asn His Ser Thr Arg Lys Glu
48          50          55          60
50 gag aag cag cgc aat ggc acg tta acc gtc acg tcc acc ctg ccg gtg      240
51 Glu Lys Gln Arg Asn Gly Thr Leu Thr Val Thr Ser Thr Leu Pro Val
52 65          70          75          80
54 ggc acc cga gac tgg atc gag ggg gag acc tac cag tgc agg gtg acc      288
55 Gly Thr Arg Asp Trp Ile Glu Gly Glu Thr Tyr Gln Cys Arg Val Thr
56          85          90          95
58 cac ccc cac ctg ccc agg gcc ctc atg cgg tcc acg acc aag acc agc      336
59 His Pro His Leu Pro Arg Ala Leu Met Arg Ser Thr Thr Lys Thr Ser
60          100         105         110
62 ggc ccg cgt gct gcc ccg gaa gtc tat gcg ttt gcg acg ccg gag tgg      384
63 Gly Pro Arg Ala Ala Pro Glu Val Tyr Ala Phe Ala Thr Pro Glu Trp

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64	115	120	125	
66	ccg ggg agc cgg gac aag cgc acc ctc gcc tgc ctg atc cag aac ttc			432
67	Pro Gly Ser Arg Asp Lys Arg Thr Leu Ala Cys Leu Ile Gln Asn Phe			
68	130	135	140	
70	atg cct gag gac atc tcg gtg cag tgg ctg cac aac gag gtg cag ctc			480
71	Met Pro Glu Asp Ile Ser Val Gln Trp Leu His Asn Glu Val Gln Leu			
72	145	150	155	160
74	ccg gac gcc cgg cac agc acg acg cag ccc cgc aag acc aag ggc tcc			528
75	Pro Asp Ala Arg His Ser Thr Thr Gln Pro Arg Lys Thr Lys Gly Ser			
76	165	170	175	
78	ggc ttc ttc gtc ttc agc cgc ctg gag gtg acc agg gcc gaa tgg gag			576
79	Gly Phe Phe Val Phe Ser Arg Leu Glu Val Thr Arg Ala Glu Trp Glu			
80	180	185	190	
82	cag aaa gat gag ttc atc tgc cgt gca gtc cat gag gca gcg agc ccc			624
83	Gln Lys Asp Glu Phe Ile Cys Arg Ala Val His Glu Ala Ala Ser Pro			
84	195	200	205	
86	tca cag acc gtc cag cga gcg gtg tct gta aat ccc ggt aaa tga			669
87	Ser Gln Thr Val Gln Arg Ala Val Ser Val Asn Pro Gly Lys			
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91	<210> SEQ ID NO: 2			
92	<211> LENGTH: 222			
93	<212> TYPE: PRT			
94	<213> ORGANISM: Homo sapiens			
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98	Ala Asp Pro Cys Asp Ser Asn Pro Arg Gly Val Ser Ala Tyr Leu Ser			
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102	Arg Pro Ser Pro Phe Asp Leu Phe Ile Arg Lys Ser Pro Thr Ile Thr			
103	20	25	30	
106	Cys Leu Val Val Asp Leu Ala Pro Ser Lys Gly Thr Val Asn Leu Thr			
107	35	40	45	
110	Trp Ser Arg Ala Ser Gly Lys Pro Val Asn His Ser Thr Arg Lys Glu			
111	50	55	60	
114	Glu Lys Gln Arg Asn Gly Thr Leu Thr Val Thr Ser Thr Leu Pro Val			
115	65	70	75	80
118	Gly Thr Arg Asp Trp Ile Glu Gly Glu Thr Tyr Gln Cys Arg Val Thr			
119	85	90	95	
122	His Pro His Leu Pro Arg Ala Leu Met Arg Ser Thr Thr Lys Thr Ser			
123	100	105	110	
126	Gly Pro Arg Ala Ala Pro Glu Val Tyr Ala Phe Ala Thr Pro Glu Trp			
127	115	120	125	
130	Pro Gly Ser Arg Asp Lys Arg Thr Leu Ala Cys Leu Ile Gln Asn Phe			
131	130	135	140	
134	Met Pro Glu Asp Ile Ser Val Gln Trp Leu His Asn Glu Val Gln Leu			
135	145	150	155	160
138	Pro Asp Ala Arg His Ser Thr Thr Gln Pro Arg Lys Thr Lys Gly Ser			
139	165	170	175	
142	Gly Phe Phe Val Phe Ser Arg Leu Glu Val Thr Arg Ala Glu Trp Glu			
143	180	185	190	
146	Gln Lys Asp Glu Phe Ile Cys Arg Ala Val His Glu Ala Ala Ser Pro			

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147	195	200	205	
150	Ser Gln Thr Val Gln Arg Ala Val Ser Val Asn Pro Gly Lys			
151	210	215	220	
154	<210> SEQ ID NO: 3			
155	<211> LENGTH: 29			
156	<212> TYPE: DNA			
157	<213> ORGANISM: Artificial sequence			
159	<220> FEATURE:			
160	<223> OTHER INFORMATION: Synthetic Primer			
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166	<210> SEQ ID NO: 4			
167	<211> LENGTH: 43			
168	<212> TYPE: DNA			
169	<213> ORGANISM: Artificial sequence			
171	<220> FEATURE:			
172	<223> OTHER INFORMATION: Synthetic Primer			
174	<400> SEQUENCE: 4			
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180	<212> TYPE: DNA			
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183	<220> FEATURE:			
184	<223> OTHER INFORMATION: Synthetic Primer			
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195	<220> FEATURE:			
196	<223> OTHER INFORMATION: Synthetic Primer			
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202	<210> SEQ ID NO: 7			
203	<211> LENGTH: 672			
204	<212> TYPE: DNA			
205	<213> ORGANISM: Homo sapiens			
208	<220> FEATURE:			
209	<221> NAME/KEY: CDS			
210	<222> LOCATION: (1)..(672)			
212	<400> SEQUENCE: 7			
213	gcg gat ccc tgt gcg gat tcc aac ccg aga ggg gtg agc gcc tac cta			48
214	Ala Asp Pro Cys Ala Asp Ser Asn Pro Arg Gly Val Ser Ala Tyr Leu			
215	1 5 10 15			
217	agc cgg ccc agc ccg ttc gac ctg ttc atc ccg aag tcg ccc acg atc			96
218	Ser Arg Pro Ser Pro Phe Asp Leu Phe Ile Arg Lys Ser Pro Thr Ile			
219	20 25 30			

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Input Set : A:\AL-11-C1-PCT.ST25.txt
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221	acc tgt ctg gtg gac ctg gca ccc agc aag ggg acc gtg cag ctg	144
222	Thr Cys Leu Val Val Asp Leu Ala Pro Ser Lys Gly Thr Val Gln Leu	
223	35 40 45	
225	acc tgg tcc cgg gcc agt ggg aag cct gtg caa cac tcc acc aga aag	192
226	Thr Trp Ser Arg Ala Ser Gly Lys Pro Val Gln His Ser Thr Arg Lys	
227	50 55 60	
229	gag gag aag cag cgc aat ggc acg tta acc gtc acg tcc acc ctg ccg	240
230	Glu Glu Lys Gln Arg Asn Gly Thr Leu Thr Val Thr Ser Thr Leu Pro	
231	65 70 75 80	
233	gtg ggc acc cga gac tgg atc gag ggg gag acc tac cag tgc agg gtg	288
234	Val Gly Thr Arg Asp Trp Ile Glu Gly Glu Thr Tyr Gln Cys Arg Val	
235	85 90 95	
237	acc cac ccc cac ctg ccc agg gcc ctc atg cgg tcc acg acc aag acc	336
238	Thr His Pro His Leu Pro Arg Ala Leu Met Arg Ser Thr Thr Lys Thr	
239	100 105 110	
241	agc ggc ccg cgt gct gcc ccg gaa gtc tat gcg ttt gcg acg ccg gag	384
242	Ser Gly Pro Arg Ala Ala Pro Glu Val Tyr Ala Phe Ala Thr Pro Glu	
243	115 120 125	
245	tgg ccg ggg agc cgg gac aag cgc acc ctc gcc tgc ctg atc cag aac	432
246	Trp Pro Gly Ser Arg Asp Lys Arg Thr Leu Ala Cys Leu Ile Gln Asn	
247	130 135 140	
249	ttc atg cct gag gac atc tcg gtg cag tgg ctg cac aac gag gtg cag	480
250	Phe Met Pro Glu Asp Ile Ser Val Gln Trp Leu His Asn Glu Val Gln	
251	145 150 155 160	
253	ctc ccg gac gcc ccg cac agc acg acg cag ccc cgc aag acc aag ggc	528
254	Leu Pro Asp Ala Arg His Ser Thr Thr Gln Pro Arg Lys Thr Lys Gly	
255	165 170 175	
257	tcc ggc ttc ttc gtc ttc agc cgc ctg gag gtg acc agg gcc gaa tgg	576
258	Ser Gly Phe Phe Val Phe Ser Arg Leu Glu Val Thr Arg Ala Glu Trp	
259	180 185 190	
261	gag cag aaa gat gag ttc atc tgc cgt gca gtc cat gag gca gcg agc	624
262	Glu Gln Lys Asp Glu Phe Ile Cys Arg Ala Val His Glu Ala Ala Ser	
263	195 200 205	
265	ccc tca cag acc gtc cag cga gcg gtg tct gta aat ccc ggt aaa tga	672
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270	<210> SEQ ID NO: 8	
271	<211> LENGTH: 223	
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273	<213> ORGANISM: Homo sapiens	
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281	Ser Arg Pro Ser Pro Phe Asp Leu Phe Ile Arg Lys Ser Pro Thr Ile	
282	20 25 30	
285	Thr Cys Leu Val Val Asp Leu Ala Pro Ser Lys Gly Thr Val Gln Leu	
286	35 40 45	
289	Thr Trp Ser Arg Ala Ser Gly Lys Pro Val Gln His Ser Thr Arg Lys	
290	50 55 60	

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Input Set : A:\AL-11-C1-PCT.ST25.txt
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293	Glu	Glu	Lys	Gln	Arg	Asn	Gly	Thr	Leu	Thr	Val	Thr	Ser	Thr	Leu	Pro	
294	65								70		75					80	
297	Val	Gly	Thr	Arg	Asp	Trp	Ile	Glu	Gly	Glu	Thr	Tyr	Gln	Cys	Arg	Val	
298									85		90				95		
301	Thr	His	Pro	His	Leu	Pro	Arg	Ala	Leu	Met	Arg	Ser	Thr	Thr	Lys	Thr	
302									100		105				110		
305	Ser	Gly	Pro	Arg	Ala	Ala	Pro	Glu	Val	Tyr	Ala	Phe	Ala	Thr	Pro	Glu	
306									115		120				125		
309	Trp	Pro	Gly	Ser	Arg	Asp	Lys	Arg	Thr	Leu	Ala	Cys	Leu	Ile	Gln	Asn	
310									130		135				140		
313	Phe	Met	Pro	Glu	Asp	Ile	Ser	Val	Gln	Trp	Leu	His	Asn	Glu	Val	Gln	
314									145		150				155	160	
317	Leu	Pro	Asp	Ala	Arg	His	Ser	Thr	Thr	Gln	Pro	Arg	Lys	Thr	Lys	Gly	
318									165		170				175		
321	Ser	Gly	Phe	Phe	Val	Phe	Ser	Arg	Leu	Glu	Val	Thr	Arg	Ala	Glu	Trp	
322									180		185				190		
325	Glu	Gln	Lys	Asp	Glu	Phe	Ile	Cys	Arg	Ala	Val	His	Glu	Ala	Ala	Ser	
326									195		200				205		
329	Pro	Ser	Gln	Thr	Val	Gln	Arg	Ala	Val	Ser	Val	Asn	Pro	Gly	Lys		
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355	<400> SEQUENCE: 10																
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358	1								5		10				15		
360	agc	ccg	ttc	gac	ctg	ttc	atc	cg	aag	tcg	ccc	acg	atc	acc	tgt	ctg	96
361	Ser	Pro	Phe	Asp	Leu	Phe	Ile	Arg	Lys	Ser	Pro	Thr	Ile	Thr	Cys	Leu	
362									20		25				30		
364	gtg	gtg	gac	ctg	gca	ccc	agc	aag	ggg	acc	gtg	aac	ctg	acc	tgg	tcc	144
365	Val	Val	Asp	Leu	Ala	Pro	Ser	Lys	Gly	Thr	Val	Asn	Leu	Thr	Trp	Ser	
366									35		40				45		
368	cgg	gcc	agt	ggg	aag	cct	gtg	aac	cac	tcc	acc	aga	aag	gag	gag	aag	192
369	Arg	Ala	Ser	Gly	Lys	Pro	Val	Asn	His	Ser	Thr	Arg	Lys	Glu	Glu	Lys	
370									50		55				60		
372	cag	cgc	aat	ggc	acg	tta	acc	gtc	acg	tcc	acc	ctg	ccg	gtg	ggc	acc	240

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/22/2005
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Input Set : A:\AL-11-C1-PCT.ST25.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49

VERIFICATION SUMMARY

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Input Set : A:\AL-11-C1-PCT.ST25.txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date